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GP 2834

Docket No.: TRANS 8.0-037
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Fjield et al.

Application No.: 09/988,997

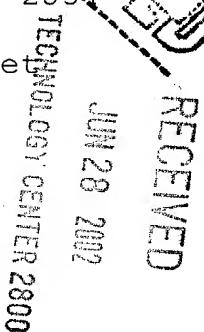
Group Art Unit: 2834

Filed: November 21, 2001

Examiner: Not Yet
Assigned

For:ULTRASOUND TRANSDUCER UNIT AND
PLANAR ULTRASOUND LENS

Commissioner for Patents
Washington, DC 20231



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Dear Sir:

It is respectfully requested that the information listed on the enclosed form be made of record and considered with respect to the above-referenced U.S. patent application. A copy of each piece of information is enclosed. Submission of the present Information Disclosure Statement should not be taken as an admission that the cited information is legally available prior art or that the same are pertinent or material.

In the event that a first Office Action was mailed in connection with the above-identified patent application but has not yet been received by the undersigned, the Commissioner is hereby authorized to charge any fee owing to our Deposit Account No. 12-1095.

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Dated: June 17, 2002

Signature:

(Matthew B. Dernier)

Application No.: 09/988,997

Docket No.: TRANS 3.0-037

Dated: June 17, 2002

Respectfully submitted,

By

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1	Attorney Docket Number	TRANS 3.0-037
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Complete if Known

Application Number	09/988,997
Filing Date	November 21, 2001
First Named Inventor	Todd Fjeld
Art Unit	2834
Examiner Name	Not Yet Assigned

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AA	5,961,465-		10-05-1999	Kelly, Jr. et al.	
AB	5,938,608-		08-17-1999	Bieger et al.	
AC	5,873,845-		02-23-1999	Cline et al.	
AD	5,821,958-		10-13-1998	Lim	
AE	5,817,036-		10-06-1998	Anthony et al.	
AF	5,795,311-		08-18-1998	Wess	
AG	5,402,792-		04-04-1995	Kimura	
AH	4,936,303-		06-26-1990	Detwiler et al.	
AI	4,219,846-		08-26-1980	Auphan	
AJ	4,207,901-		06-17-1980	Nigam	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CA		Qian Zhang, Peter A. Lewin and Philip E. Bloomfield, "PVDF Transducers - A Performance Comparison of Single-Layer and Multilayer Structures," IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, Vol. 44, No. 5, pp. 1148-1156, (Sept. 1997).	
CB		Richard L. Goldberg and Stephen W. Smith, "Multilayer Piezoelectric Ceramics for Two-Dimensional Array Transducers," IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, Vol. 41, No. 5, pp. 761-771, (Sept. 1994).	
CC		Qian Zhang and Peter A. Lewin, "Wideband and Efficient Polymer Transducers Using Multiple Active Piezoelectric Films," IEEE Ultrasonics Symposium Proceedings, Vol. 2, pp. 757-760, (Oct. 31 - Nov. 3, 1993).	
CD		Geoffrey R. Lockwood, Daniel H. Turnbull, and F. Stuart Foster, "Fabrication of High Frequency Spherically Shaped Ceramic Transducers," IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, Vol. 41, No. 2, pp. 231-235, (March 1994).	
CE		Qian Zhang, Peter A. Lewin and Philip E. Bloomfield, "Variable frequency multilayer PVDF transducer for ultrasound imaging," Proceedings of SPIE, Ultrasonic Transducer Engineering, Vol. 3037, pp. 2-12, (Feb. 27-28, 1997).	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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